

CLAIMS

What is claimed is:

- 5 ✓ 1. An optical compensating film comprising an adhesive layer formed by coating the adhesive onto a stretched norbornene-based resin film, wherein the adhesive layer has adhesive force of not smaller than 10 N/20 mm.
- 10 ✓ 2. The optical compensating film according to claim 1, wherein the norbornene-based resin film is subjected to a surface treatment and the adhesive layer is provided thereon.
- 15 ✓ 3. The optical compensating film according to claim 2, wherein the surface treatment is a corona discharge treatment.
- 20 ✓ 4. The optical compensating film according to claim 3, wherein in the corona discharge treatment, the discharge frequency is in the range from 50 Hz to 500 kHz and the discharge amount is in the range from 0.001 kV · A · min/m² to 5 kV · A · min/m².
- ✓ 5. The optical compensating film according to claim 1, wherein the adhesive is an acrylic adhesive.
- 25 ✓ 6. The optical compensating film according to claim 1, wherein the thickness of the stretched norbornene-based resin film is in the range from 20 μm to 200 μm.
- 30 ✓ 7. The optical compensating film according to claim 1, wherein the stretching ratio of the stretched norbornene-based resin film ranges from 1.01 to 10 times.
- 35 ✓ 8. A polarizing plate comprising an optical compensating film formed by coating an adhesive onto a stretched norbornene-based resin film, wherein the optical compensating film is adhered to the polarizing plate via the adhesive layer, and the adhesive force between the optical compensating film and the adhesive layer is 10N/20 mm or more.

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- ✓ 9. A liquid crystal display using an optical compensating film or a polarizing plate on at least one side of a liquid cell, wherein the optical compensating film is formed by coating an adhesive onto a stretched
5 norbornene-based resin film, wherein the adhesive force between the optical compensating film and the adhesive layer is 10 N/20 mm or more; and the polarizing plate is adhered to the optical compensating film via the adhesive layer.
- 10 ✓ 10. A method for producing an optical compensating film formed by coating an adhesive onto a stretched norbornene-based resin film, the method comprising subjecting the stretched norbornene-based resin film to a surface treatment and coating an adhesive onto the surface-treated stretched
15 norbornene-based resin film, and setting the adhesive force between the optical compensating film and the layer to be 10 N/20 mm or more.
- ✓ 11. The method for producing an optical compensating film according to claim 10, wherein the surface treatment is a corona discharge treatment.
- 20 ✓ 12. The method for producing an optical compensating film according to claim 10, wherein the adhesive is an acrylic adhesive.
- ✓ 13. The method for producing an optical compensating film according to claim 10, wherein the thickness of the stretched norbornene-based resin film is
25 in the range from 20 μm to 200 μm .
- ✓ 14. The method for producing an optical compensating film according to claim 10, wherein the stretching ratio of the stretched norbornene-based resin film ranges from 1.01 times to 10 times the original length.

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